

(FILE 'HOME' ENTERED AT 21:06:51 ON 13 MAR 2009)

FILE 'REGISTRY' ENTERED AT 21:07:44 ON 13 MAR 2009

L1 58441 S [LI]D...K...[WFY]/SQSP

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 21:11:26 ON 13 MAR 2009

FILE 'CAPLUS' ENTERED AT 21:18:39 ON 13 MAR 2009

SET EXP CONTINUOUS

E OPSIN+ALL/CT

E OPSIN/CT

E E5+ALL

E E16+ALL

E E26+ALL

E POLYENES/CT

E E67+ALL

E RETINAL/CT

E E87+ALL

E APOPROTEIN/CT

E E127+ALL

L2 9313 S E23 OR E24 OR E25 OR E51 OR E52 OR E53 OR E54 OR E55

L3 10209 S E23 OR E24 OR E25 OR E51 OR E52 OR E53 OR E54 OR E55 OR E140

L4 5358 S E80 OR E119 OR E120 OR E121 OR E122

L5 663 S L3 AND L4

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 21:30:47 ON 13 MAR 2009

L6 30626 S L3

L7 12483 S L4

L8 1558 S L3 AND L4

L9 1 S L8 AND CHOP1

L10 26 S CHANNELOPSIN

L11 18 DUP REM L10 (8 DUPLICATES REMOVED)

L12 233 S (COS OR BHK OR HEK293 OR CHO OR MYELOMA OR MDCK OR NEURON OR

L13 198 DUP REM L12 (35 DUPLICATES REMOVED)

L14 3 S L13 AND (MEMBRANE(S) (CONDUCTIV? OR DEPOLARIZ? OR POTENTIAL))

L15 112 S L13 AND PY<2003

L16 0 S L15 AND (ION(S) (CHANNEL OR GRADIENT OR CONDUCTIVITY))

L17 1 S L15 AND L6

FILE 'STNGUIDE' ENTERED AT 21:46:02 ON 13 MAR 2009

SAVE L6 OPSIN/Q

SAVE L7 RETINAL/Q

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 21:52:22 ON 13 MAR 2009

L18 135 S HEGEMANN P/AU

L19 79 DUP REM L18 (56 DUPLICATES REMOVED)

L20 449 S NAGEL G/AU

L21 23 S L20 AND ?OPSIN

L22 9 DUP REM L21 (14 DUPLICATES REMOVED)

L23 684 S BAMBERG E/AU

L24 130 S L23 AND ?OPSIN

L25 65 DUP REM L24 (65 DUPLICATES REMOVED)